

SERENADE TIDE



UT 751 CD PSV

Vessel Characteristics

Length, Overall:	308.1 ft	93.9 m
Beam:	68.9 ft	21 m
Depth:	28.9 ft	8.8 m
Maximum Draft:	23.9 ft	7.3 m
Light Draft:	11.4 ft	3.5 m
Minimum Height:	100 ft	30.5 m
Freeboard:	5 ft	1.5 m
Displacement:	9,510 lt	9,660 mt
Deadweight:	5,840 lt	5,930 mt
Clear Deck Space:	185 x 58 ft	56 x 18 m
Clear Deck Area:	10,800 ft ²	1000 m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	DNV: +1A1, Supply vessel(Basic), Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), EO, HL(2.8), Ice(C), LFL(*), NAUT(OSV(A)), OILREC, SF	

Capacities

Deck Cargo:	3,250 lt	3,300 t
Fuel Oil:	333,000 gal	1,260 m ³
Potable Water:	105,000 gal	400 m ³
Fresh Water:	190,000 gal	720 m ³
Drill/Ballast Water:	806,000 gal	3,050 m ³
Bulk Tanks (6 tanks):	12,400 ft ³	350 m ³
Liquid Mud (2.8 SG*):	7,150 bbl	1,140 m ³
*Max Structural Specific Gravity		
Methanol:	1,370 bbl	220 m ³
Base Oil:	1,730 bbl	280 m ³
Brine:	1,220 bbl	190 m ³
Fire Fighting Foam:	790 gal	3 m ³

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

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NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.

LAST UPDATE: 11/17/2023

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Further specifications



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,900 / 9,470		
Z-Drives:	Yes		
Propellers (2):	AQUAMASTER AZP120, 2200KW CPP		
Primary Generators (4):	1,740 kw	690 v	60 hz
Driven by:	RRM C25:33L6A		
Emergency Generators (1):	200 kw	690 v	60 hz
Driven by:	SCANIA DI 12 62M		
Bow Thruster (3):	2x RR TT2400 DPN TT FP, 1x RR TCNS 73/50		
Driven by:	895KW ELECTRIC MOTORS		
Total Thrust:	45 st	40.8 mt	

Deck Equipment

Anchors (2):	4380 KG SOTRA MARINE
Anchor Chain:	270 m of 50 mm chain per side
Windlass:	2x 20 MT RRM
Crane (1):	5 t @ 10 m
Aux. Crane (1):	3 t @ 15 m
Tugger (1):	15 t RRM

Accommodations

No. of Berths:	25
Cabins:	13x1-man & 6x2-man
Certified to Carry:	25
Galley seating:	14
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SKUDENESHAVN
Hull Number: 63	IMO N ^o : 9408229
Year Built: 2009	Call Sign: LAQC3
Builder:	STX Norway Offshore AS Brevik
Tonnage (ITC):	5211 GT 1882 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	27 m³/day (300 gph) @ 16.5 knots	
Cruising:	17 m³/day (190 gph) @ 12.2 knots	
Economical:	14.5 m³/day (160 gph) @ 11.3 knots	
Standby:	2.7 m³/day (29.7 gph) @ 0 knots	
Range @ 12.2 Knots:	22,000 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	34.6 cfm @ 190 ft	58.7 m³/h @ 57 m
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m
Brine:	440 gpm @ 800 ft	100 m³/h @ 240 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

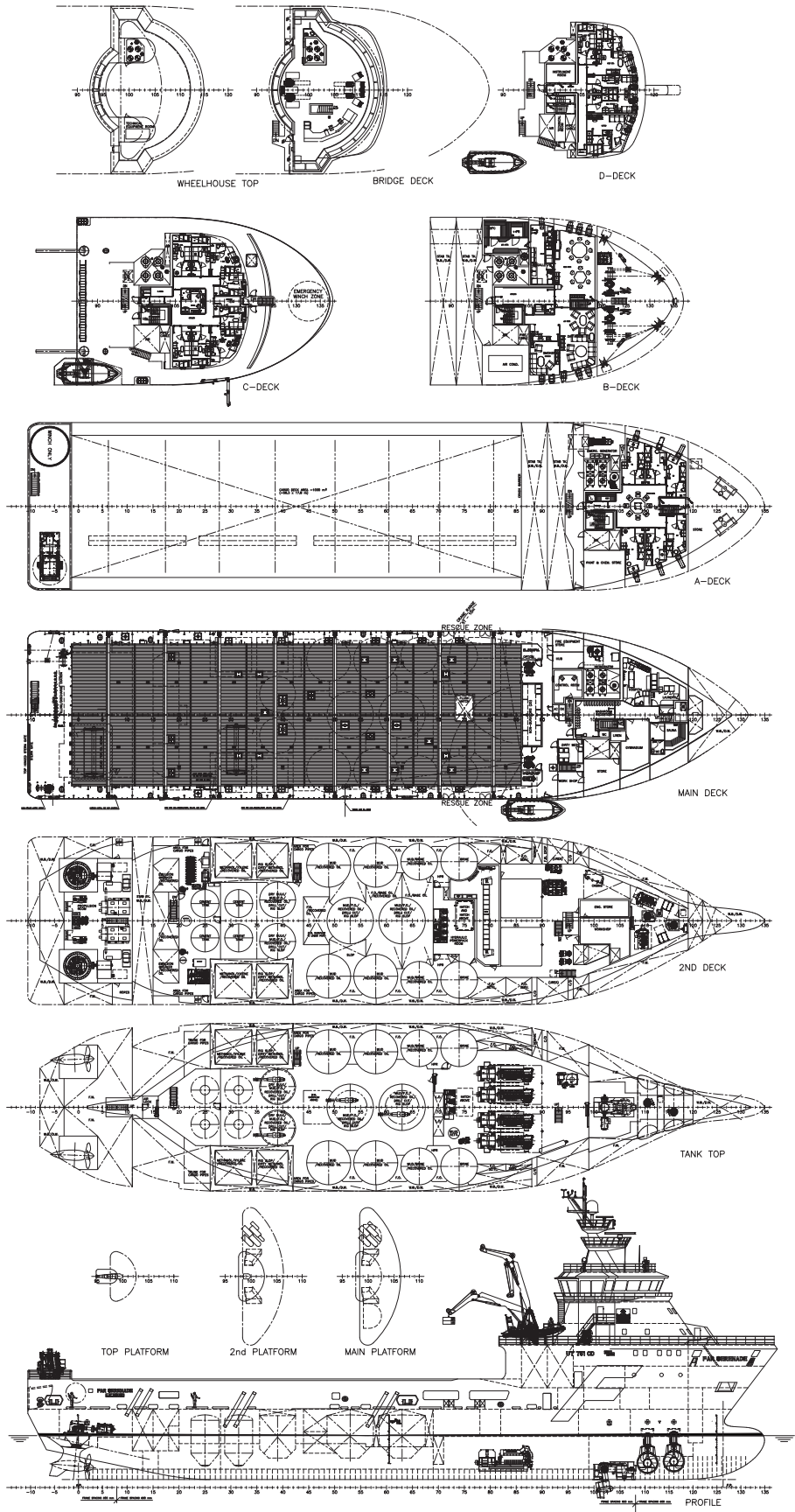
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	2
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	2X INMARSAT-C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Zone:	Yes
Rescue Boat:	10-Man Springer MP 800 FRC
Gas Detection:	5x Portable Gas Detectors
Misc:	ORO Capacity - 2003.4 m³; MSD - 25 Persons; MACS Capacity - 384.4 m³; HPR Room

*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
FOREPEAK TK	DW/WB	175.4				175.4								
WB DB/WG 3 SB	DW/WB	151.3				151.3								
WB DB/WG 3 PS	DW/WB	151.2				151.2								
WB DB/WG 4 SB	DW/WB	189.4				189.4								
WB DB/WG 4 PS	DW/WB	189.4				189.4								
WB DB/WG 5 SB	DW/WB	213.6				213.6								
WB DB/WG 5 PS	DW/WB	213.8				213.8								
WB DB/WG 6 SB	DW/WB	264.9				264.9								
WB DB/WG 6 PS	DW/WB	264.9				264.9								
AFT PEAK SB	DW/WB	126.6				126.6								
AFT PEAK PS	DW/WB	126.6				126.6								
WB DB TK 7	DW/WB	58.1				58.1								
ROLL REDUCTION 1	DW/WB	263.3				263.3								
ROLL REDUCTION 2	DW/WB	309.0				309.0								
ROLL REDUCTION 3	DW/WB	354.2				354.2								
FW DB/WG 1 SB	Ship's FW	181.4					181.4							
FW DB/WG 1 PS	Ship's FW	217.2					217.2							
FW WING 2 SB	FW	116.2						116.2						
FW WING 2 PS	FW	112.3						112.3						
FW DB TK 6 C	FW	70.7						70.7						
FW DB/WG 7 SB	FW	83.1						83.1						
FW DB/WG 7 PS	FW	83.1						83.1						
FW WING 8 SB	FW	126.6						126.6						
FW WING 8 PS	FW	126.6						126.6						
FO TK 7 C	ORO/FO	107.6		107.6										
FO TK 6 C	FO	29.2		29.2										
40 FO TK 5 C	FO/ORO	66.4		66.4										
64 FO TK 5 C	FO/ORO/BO	139.0	139.0	139.0										
FO TK 4 C	FO/BO	136.7	136.7	136.7										
FO SERV SB	FO	40.4		40.4										
FO SERV PS	FO	40.4		40.4										
FO SETTLE SB	FO	55.8		55.8										
FO TK PS	FO	51.1		51.1										
FO WG 3 SB	FO	46.3		46.3										
FO WG 3 PS	FO	46.3		46.3										
FO WG 4 SB	FO	49.0		49.0										
FO WG 4 PS	FO	49.0		49.0										
FO WG 5 SB	FO	54.2		54.2										
FO WG 5 PS	FO	101.8		101.8										
FO OVERFLOW	FO	43.7		43.7										
FO DRAIN TK	FO	18.3		18.3										
METH TK 1 SB	METH/ORO	108.8									108.8			
METH TK 1 PS	METH/ORO	108.8									108.8			
CIRCULAR TK 1	BRI	97.1							97.1					
CIRCULAR TK 2	BRI	97.1							97.1					
CIRCULAR TK 3	LM/ORO	97.1								97.1				
CIRCULAR TK 4	LM/ORO	97.1								97.1				
CIRCULAR TK 5	LM/ORO	139.7								139.7				
CIRCULAR TK 6	LM/ORO	139.7								139.7				
CIRCULAR TK 7	LM/ORO	139.7								139.7				
CIRCULAR TK 8	LM/ORO	139.7								139.7				
MACS TK 1	LM/ORO/FO	116.7		116.7						116.7				
MACS TK 2	LM/ORO/FO	116.7		116.7						116.7				
MACS TK 3	LM/CEM/ORO/FO	75.5		75.5	75.5					75.5				
MACS TK 4	LM/CEM/ORO/FO	75.5		75.5	75.5					75.5				
DRY BULK 1	DRY BULK	50.3			50.3									
DRY BULK 2	DRY BULK	50.3			50.3									
DRY BULK 3	DRY BULK	50.3			50.3									
DRY BULK 4	DRY BULK	50.3			50.3									
D. METH/RIG SLOP S	RS/ORO/DMETH	102.5												
D. METH/RIG SLOP P	RS/ORO/DMETH	102.5												
ORO/EB WG 8 SB	ORO/EB	65.2												
ORO/EB WG 8 PS	ORO/EB	65.2												
LO TK TT	LO	5.0										5.0		
LO TK AZP	LO	10.6										10.6		
LO TK ME	LO	13.2										13.2		
FOAM TANK	FOAM	3.0											3.0	
Total Volume [m ³]			275.7	1,459.6	352.2	3,051.7	398.6	718.6	194.2	1,137.4	217.6	28.8	3.0	0.0
Spec Sheet Total Volume [m ³]			275.7	1,261.0	352.2	3,051.7	398.6	718.6	194.2	1,137.4	217.6	28.8	3.0	0.0

*Capacities shown are for lead vessel. Actual capacities may vary slightly.

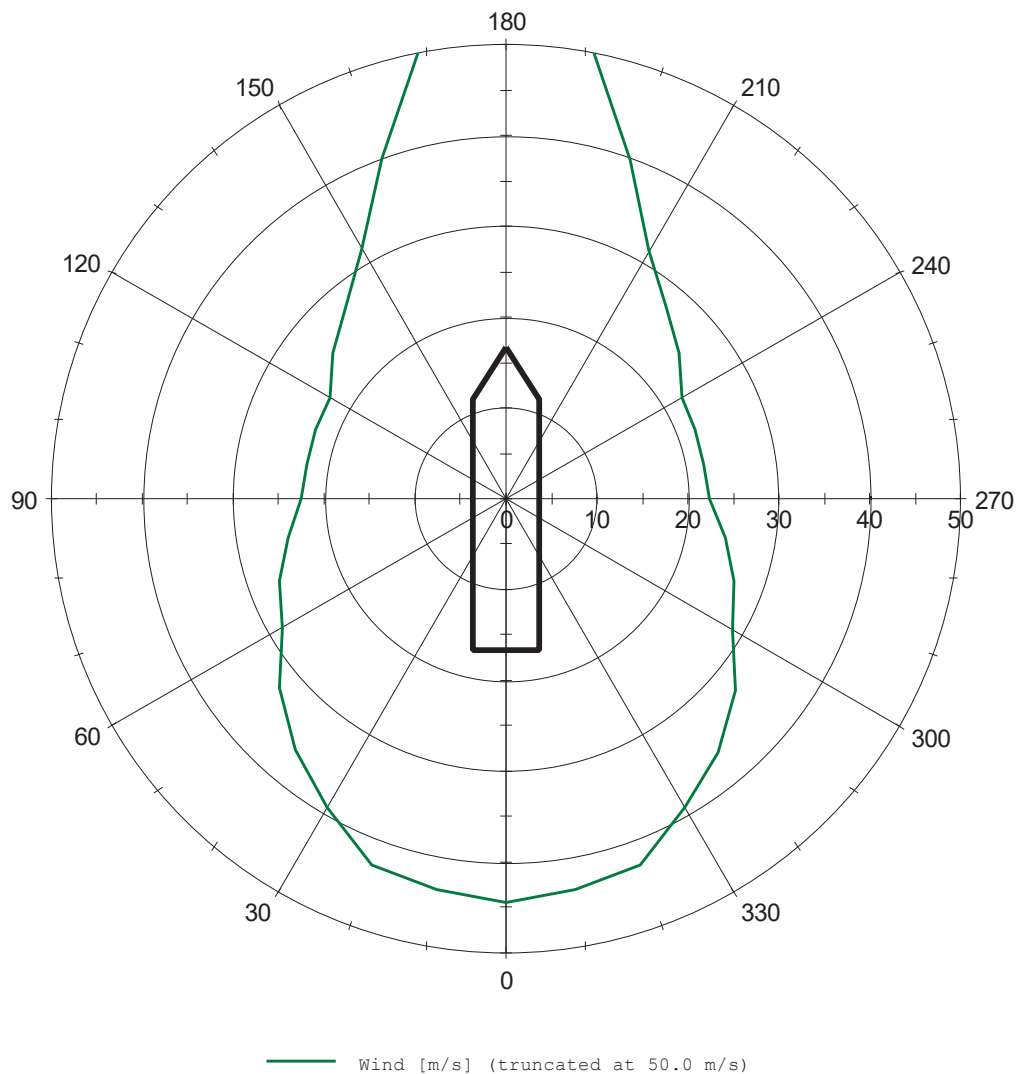
*Capacities shown in **RED** are excluded from the total volume.

*Capacities shown in **BLUE** are included in another Tank's Capacity.

*Capacities shown in **GREEN** are counted for multiple Tank Capacities.

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DP Capability Plot



External:
Variable wind velocity rotating 360 deg
1.03 m/s wind generated current rotating 360 deg (0.0 deg offset)
Variable wave height rotating 360 deg (0.0 deg offset)